

## ABSTRACT OF THE DISCLOSURE

The method for adapting the lateral and temporal resolution of a microscope image allows the detection of temporal changes in the image content, and switches over to another transmission mode on the basis of the result of the determination.

5           The arrangement for adapting the lateral and temporal resolution of a microscope image comprises means for detecting the changes in the image content of a microscopic image. Also provided are electronic means for limiting the image content. Further means make it possible to switch over automatically to a suitable transmission mode. The means for detecting the change is an image data processing means (22) that  
10           ascertains salient image points and their positions within a defined image window. In addition, a comparison element (36) is provided and is connected to a switchover means (33). In the event of a deviation in the comparison element (36), the switchover means (33) thereupon reduces the image data of a current input image in accordance with the bandwidth and the transmission rate in order to generate a live image for video  
15           conferencing.

(FIG. 3)